

# Converting Colors

XYZ(57.4854, 76.3034, 60.0827)

Have a look what the booklet for  
XYZ(57.4854, 76.3034, 60.0827)  
contains.

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# Color

**XYZ(57.3843, 76.1001,  
59.8084)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8F3BD
RGB	168, 243, 189
RGB Percent	66%, 95%, 74%
CMY	0.3412, 0.0470, 0.2588
CMYK	0.31, 0.00, 0.22, 0.05
HSL	137°, 76%, 81%
HSV	137°, 31%, 95%
XYZ	57.3843, 76.1001, 59.8084
YIQ	214.4190, -27.3660, -32.6940

# Conversions

## Conversions Part 2

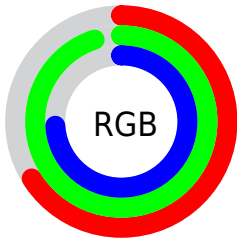
Format	Color
<a href="#">RYB</a>	<a href="#">168, 227, 243</a>
Decimal	<a href="#">11072445</a>
CIELab	<a href="#">89.91, -33.90, 18.80</a>
CIELCh	<a href="#">90, 38.764, 150.984</a>
Yxy	<a href="#">76.1001, 0.2969, 0.3937</a>
Android (android.graphics.Color)	<a href="#">4289262525 (0xFFA8F3BD)</a>
YUV	<a href="#">214.4190, -12.5316, -40.7095</a>
Hunter-Lab	<a href="#">87.2354, -35.2428, 20.4157</a>

# Details

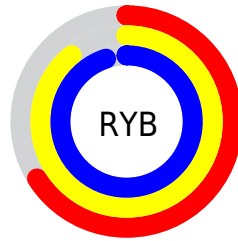
The XYZ color **57.3843, 76.1001, 59.8084** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **64.1521, 52.3355, 75.8308**, and the grayscale version is **64.2955, 67.6438, 73.6641**.

A 20% lighter version of the original color is **83.2928, 94.1201, 100.1632**, and **28.9423, 40.4728, 29.5792** is the 20% darker color. If you saturate the color by 10%, you get **50.9005, 72.9661, 50.1824**, and if you desaturate by 10%, it is **65.0681, 79.8305, 70.6899**.

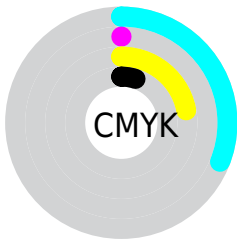
# Distribution



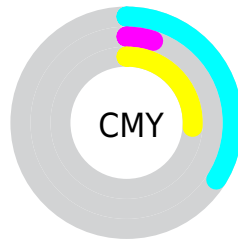
- Red (66%)
- Green (95%)
- Blue (74%)



- Red (66%)
- Yellow (89%)
- Blue (95%)



- Cyan (31%)
- Magenta (0%)
- Yellow (22%)
- Black (5%)




- Cyan (34%)
- Magenta (5%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.3843, 76.1001, 59.8084 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 57.3843, 76.1001, 59.8084 by changing the saturation by 10% instead.





 57.3843, 76.1001,  
59.8084

 57.3843, 76.1001,  
59.8084


404.8787,  
481.6903, 441.6762

 41.5552, 56.5146,  
42.8399

 100.1538,  
127.8684, 106.0923

 28.9427, 40.6157,  
29.4291


127.8250,  
160.8200, 136.2449

 19.1816, 28.0189,  
19.1573


160.1742,  
198.9957, 171.6292

 11.9063, 18.3399,  
11.6060

197.5669,  
242.7800, 212.6638

 6.7517, 11.1943,  
6.3567

240.3683,  
292.5571, 259.7673

 3.3522, 6.1977,  
2.9909


288.9438,

 1.3427, 2.9656,


348.7117, 313.3581


1.0900

343.6588,  
411.6279, 373.8549

 0.2148, 1.1138,  
0.0000


 0.0000, 0.0000,  
0.0000


 57.3843, 76.1001,  
59.8084


 57.3843, 76.1001,  
59.8084

 50.9005, 72.9661,  
50.1824


 65.0681, 79.8305,  
70.6899


 45.5484, 70.3878,  
41.7614

 74.0031, 84.1765,  
82.8647

 41.2622, 68.3345,  
34.4992

 84.2453, 89.1681,  
96.3755

 37.9666, 66.7684,  
28.3444

 91.3420, 92.5841,  
107.6640

■ 35.5759, 65.6464,  
23.2418

■ 33.9884, 64.9174,  
19.1312

■ 33.0966, 64.5219,  
16.1849

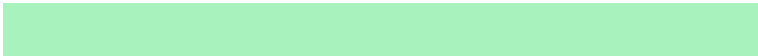
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.2537, 76.1001, 45.3529



57.3843, 76.1001, 59.8084



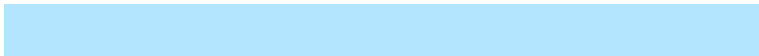
55.4273, 76.1001, 83.7697

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



57.3843, 76.1001, 59.8084



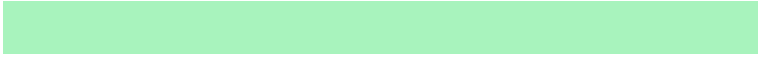
72.6478, 76.1001, 147.6159



89.3058, 76.1001, 58.5542

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



57.3843, 76.1001, 59.8084



64.1521, 52.3355, 75.8308

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.3629, 76.1001, 81.9571



57.3843, 76.1001, 59.8084



82.2374, 76.1001, 136.8351

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



57.3843, 76.1001, 59.8084



63.7562, 76.1001, 138.1053



89.6705, 76.1001, 111.1833

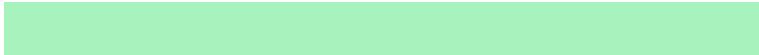


81.6418, 76.1001, 44.7492



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.3843, 76.1001, 59.8084



56.4546, 76.1001, 103.2311



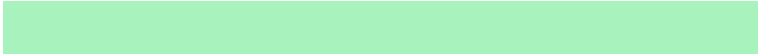
89.6705, 76.1001, 111.1833



90.9352, 76.1001, 65.3625

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



57.3863, 76.1033, 59.8101



84.5576, 94.8852, 95.1140



69.5527, 82.6199, 49.3279



17.7600, 20.1444, 19.9060



0.0000, 0.0000, 0.0000

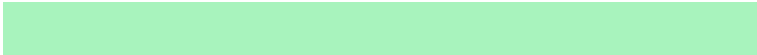


20.3446, 21.4041, 23.3091

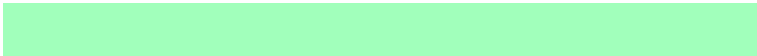


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.3863, 76.1033, 59.8101



59.3644, 82.6515, 59.8761



61.8603, 77.8929, 83.3697



16.4729, 18.5483, 18.5086



18.2131, 35.4301, 9.1419



1.6427, 3.1308, 1.0246



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



64.1521, 52.3355, 75.8308



68.0084, 52.2614, 80.3265



59.7768, 50.5854, 52.7908



17.0042, 16.6845, 19.7684



24.5913, 12.1799, 23.6197

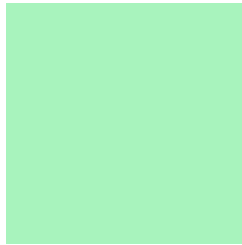


2.2050, 1.0880, 2.3058



# Previews

## White Background



This preview shows how the XYZ color 57.3843, 76.1001, 59.8084 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

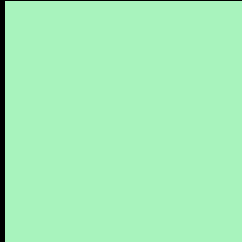
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.3843, 76.1001, 59.8084 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

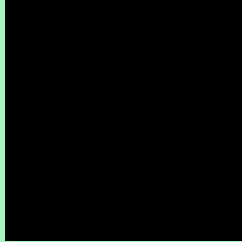
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 57.3843, 76.1001, 59.8084

## Background



This preview shows how black text looks on a background with the XYZ color 57.3843, 76.1001, 59.8084.



This preview shows how white text looks on a background with the XYZ color 57.3843, 76.1001,

59.8084.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

57.3843, 76.1001, 59.8084

### Protanopia

70.7600, 75.4964, 54.0228

### Deuteranopia

76.5044, 75.4800, 63.9630



## **Tritanopia**

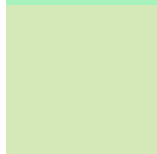
66.2085, 75.7612, 104.0623

# Trichromacy



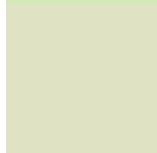
## Original Color

57.3843, 76.1001, 59.8084



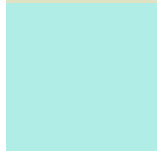
## Protanomaly

64.8444, 75.2783, 55.9122



## Deuteranomaly

67.7508, 74.5663, 62.4516



## Tritanomaly

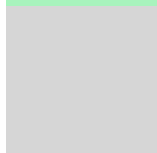
62.4716, 75.5117, 86.1455

# Monochromacy



## Original Color

57.3843, 76.1001, 59.8084



## Achromatopsia

63.9157, 67.2443, 73.2291



## Achromatomaly

60.9706, 70.1285, 68.0803

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.3843, 76.1001, 59.8084 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(168, 243, 189)` looks like.

```
.text, #text, p{  
    color:rgb(168, 243, 189)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(168, 243, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 243, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 57.3843, 76.1001, 59.8084 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 243, 189) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(168, 243, 189) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(168, 243, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 243, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 243, 189);  
box-shadow:4px 4px 4px 4px rgb(168, 243,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.3843, 76.1001, 59.8084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 243, 189) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(168,  
243, 189) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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